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(71)Applicant : TOYOTA CENTRAL RES & DEV LAB INC
DENSO CORP

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(72)Inventor : KATO MAKOTO
USUKI ARIMITSU
SHIRAI JUNJI
INAI ISAMU
WAKABAYASHI HIROYUKI
OSUGA KAZUTOYO

(54) RESIN COMPOSITE MATERIAL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a resin composite material excellent in mechanical properties and excellent in impact resistance and moldability as well by including a specific resin, a rubber and/or thermoplastic elastomer, and organized clay dispersed in the resin.

SOLUTION: This resin composite material is obtained by including (A) a polar thermoplastic resin, (B) a rubber and/or thermoplastic elastomer, and (C) organized clay, i.e., clay (clay mineral) organized with an organizing agent, so that the component C is dispersed in the component A; wherein the component A is pref. a polyphenylene ether-based resin, the polyphenylene ether-based resin compatibilized with a thermoplastic resin, or the like, containing pref. -32 mol% of polar groups. This composite material is in such a morphology that the component B is interspersed island-fashion in a matrix of the component A and the component C is dispersed in the component A, or the component A dispersed with the component C is interspersed island-fashion in a matrix of the component B.

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